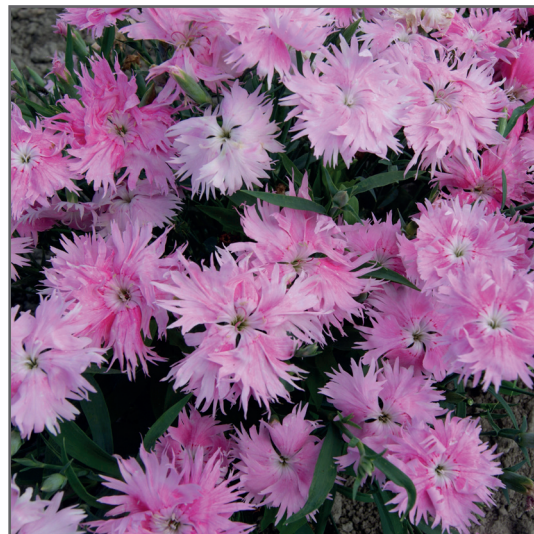


# Dianthus Interspecific F1 Supra



<b>Life cycle</b>	Hardy perennial
<b>Family/origin</b>	Caryophyllaceae
<b>Popular uses</b>	Outdoor containers, pot and pack, suitable for borders and beds
<b>Mature plant height</b>	25-35 cm (10-12")
<b>Mature plant width</b>	25-35 cm (10-12")
<b>Pot size</b>	Packs, 10-15 cm (4-6") pots quart or gallon pots
<b>Plants per pot</b>	1 for 10 cm (4") 1-3 for 15 cm (6") or larger
<b>Sun exposure</b>	Sun or partial shade
<b>Water requirements</b>	Reduced, avoid wet conditions
<b>Flowering time</b>	Entire growing season
<b>Media</b>	A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 0.5-1.8 (50-150 ppm)
<b>Growing temperature</b>	Temperature for active growth 15°C (58°F) at night 16-18°C (60-64°F) at day time
<b>Light</b>	Increase total light energy to promote early flowering, daylength extension is not necessary but will promote bud set.
<b>Fertilizer needs</b>	Balanced N:P:K fertiliser as needed ammonium based fertilizers are not recommended, use calcium based fertilizers EC 1.8-2.2 (50-200 ppm)
<b>Crop time</b>	14-16 weeks
<b>Hardiness zone</b>	Z 5-10



Pink

### Growth regulators:

Dianthus responds to: Chlormequat (Cycocel) and Paclobutrazol (Bonzi)

### Common Diseases:

Botrytis, Alternaria leaf spot, Fusarium Wilt

### Common Pests:

Spider mites, Thrips, Aphids and Whitefly

### Pinching

No need but a single pinch is recommended for a better branching. Croptime is 1-2 weeks longer

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## Plug Production



<b>Seed forms</b>	Raw and pelleted
<b>Seed count</b>	1,100-1,250 sds/gr (30,000-35,000 seeds/oz) <i>Varies by lot!</i>
<b>Recommended plug size</b>	480-264
<b>Seeds cell</b>	1
<b>Vermiculite cover</b>	Light cover
<b>Stage 1 Germination</b>	<p>Temperature 21-24°C (70-75°F) growing medium temperature            EC 0.5-1 (50-100 ppm)            Radicle emergence will take place in 2-4 days            Keep media moist but do not overwater            Light is not necessary for germination            Dianthus is very sensitive to high salt levels in stage 1 and 2</p>
<b>Stage 2 Stem and cotyledon</b>	<p>Keep media moist, lower night temperature to 18°C (65°F)            Under low light conditions supplementary lighting is advised to promote compact strong seedlings</p>
<b>Stage 3 Growth and development</b>	<p>Moisture: reduce moisture levels and allow medium to dry between watering            Do not allow plants to wilt            Temperature: 18-20°C (65-68°F)            Fertilization: as stage 2            To prevent stretching alternate with potassium nitrate at EC 1.2-1.5 (100-175 ppm)</p>
<b>Stage 4 Ready for transplanting</b>	<p>Moisture: reduce moisture levels and allow medium to dry between watering            Do not allow plants to wilt            Temperature: 13-15°C (54-59°F)            Fertilization: see stage 3</p>
<b>Plug crop time</b>	5-6 weeks
<b>Approximate finish time</b>	9-10 weeks
<b>Special tips</b>	Ensure best light conditions especially early season and grow dry to restrict and harden growth. Transplant on time